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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,

CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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- Published:**
  - with international search report (Art. 21(3))
  - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
- (88) **Date of publication of the international search report:**  
26 November 2009

(54) **Title:** SYSTEMS AND METHODS FOR MANAGING VIRTUAL AND PHYSICAL DESKTOP COMPUTERS IN A NETWORK COMPUTING ENVIRONMENT

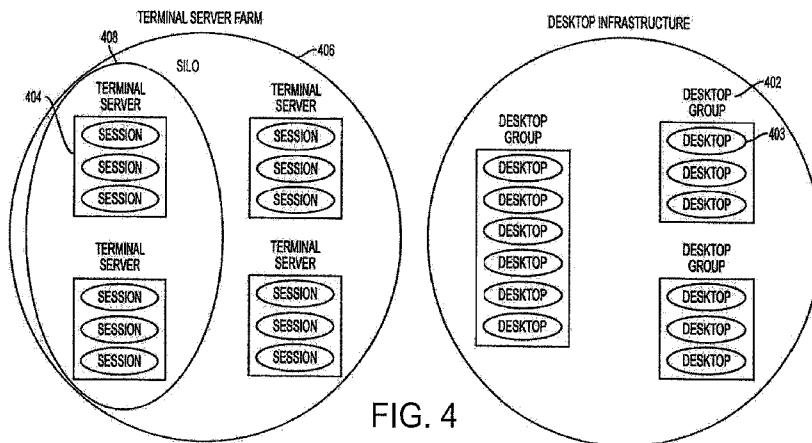


FIG. 4

(57) **Abstract:** A system for provisioning, allocating, and managing virtual and physical desktop computers in an enterprise network computing environment can allow for these physical and desktop computers to be grouped logically based on personnel, organizational, or networking efficiencies without regard to the hardware or server that can ultimately run the virtual machine terminal once it is accessed. A connection broker can connect incoming connections to one desktop in a desktop group, based on information relating to that incoming connection.



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**A. CLASSIFICATION OF SUBJECT MATTER*****H04W 4/08(2009.01)i, H04W 48/08(2009.01)i***

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 8: G06F 9/455, H04L 9/32, G06F 15/16, G06F 15/173

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility Models since 1975

Japanese Utility models and applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) : virtual, desktop, and group

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007-0180448 A1 (ANTHONY EDWARD LOW et al.) 02 August 2007 See abstract, figure 14, and claim 1	1-3, 8-11
A	US 2007-0180493 A1 (RICHARD JASON CROFT et al.) 02 August 2007 See abstract, figure 1, and claim 1	1-3, 8-11
A	US 2005-0198303 A1 (ROBERT KNAUERHASE et al.) 08 September 2005 See abstract, figure 1, and claims 1, 9, 16	1-3, 8-11
A	US 2007-0255814 A1 (KEITH A. GREEN et al.) 01 November 2007 See abstract, figure 1, and claim 1	1-3, 8-11

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

06 OCTOBER 2009 (06.10.2009)

Date of mailing of the international search report

**06 OCTOBER 2009 (06.10.2009)**

Name and mailing address of the ISA/KR

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**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.: 4-7, 12-15  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2009/038394**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007-180448 A1	02.08.2007	None	
US 2007-180493 A1	02.08.2007	None	
US 2005-198303 A1	08.09.2005	None	
US 2007-0255814 A1	01.11.2007	WO 2007-133420 A2 WO 2007-133420 A3	22.11.2007 22.11.2007